

CLAIMS

1. A solar cell module, comprising;
a front surface member having translucency,
a rear surface member,
an intermediate member formed of an insulator disposed between said front surface member and said rear surface member,
a first solar cell element group in which a plurality of solar cell elements are electrically connected, disposed between said front surface member and said intermediate member with its light receiving surface facing said front surface member,
and a second solar cell element group in which a plurality of solar cell elements are electrically connected, disposed between said rear surface member and said intermediate member with its light receiving surface facing said rear surface member.
2. A solar cell module in accordance with claim 1, wherein said plurality of solar cell elements are connected in series in both said first solar cell element group and said second solar cell element group, and both solar cell element groups are electrically insulated through said intermediate member.
3. A solar cell module in accordance with claim 1 or claim 2, wherein said rear surface member is a material having

translucency.

4. A solar cell module in accordance with claim 3, wherein said intermediate member is a material that reflects light.

5. A solar cell module in accordance with any one of claims 1 to 3, wherein said intermediate member is a material having translucency.

6. A solar cell module in accordance with claim 1, 2 or claim 5, wherein said rear surface member is a material that reflects light.

7. A solar cell module in accordance with claim 6, wherein convexoconcave is provided in said rear surface member.

8. A solar cell module in accordance with claim 5, wherein a solar cell element comprising said first solar cell element group and a solar cell element comprising said second solar cell element group are disposed symmetrically with said intermediate member as the reference position.

9. A solar cell module in accordance with claim 5, wherein a solar cell element comprising said first solar cell element group and a solar cell element comprising said second solar cell element group are disposed unsymmetrically with said intermediate member as the reference position.

10. A photovoltaic device using a solar cell module in accordance with any one of claims 1 to 9, comprising;

a first solar cell string having connected said first solar cell element group, and a second solar cell string having connected said second solar cell element group,

a power conversion means for converting direct-current power to alternating-current power as well as controlling so that direct-current power is output at the maximum power point of these first and second solar cell string,

and a voltage adjustment means for adjusting direct-current voltage that is output from said second solar cell string and supplying the voltage between said first solar cell string and said voltage adjustment means,

wherein said voltage adjustment means adjusts the output voltage of said second solar cell string so that it coincides with the output voltage of said first solar cell string.

11. A photovoltaic device in accordance with claim 10, wherein said voltage adjustment means adjusts the direct-current voltage that is output from said second solar cell string based on the voltage which is to be the maximum electric power of said second solar cell string to coincide with the output voltage of said first solar cell string.